

DECLARATION

INVENTORSHIP IDENTIFICATION

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

CATALYTIC PROCESSES FOR THE CONTROLLED POLYMERIZATION OF FREE RADICALLY (Co)POLYMERIZABLE MONOMERS AND FUNCTIONAL POLYMERIC SYSTEMS PREPARED THEREBY

TITLE OF INVENTION

SPECIFICATION IDENTIFICATION

the specification of which:

- (a) is attached hereto.
- (b) was filed on March 23, 2000, as Serial No. 09/534,827
 and was amended on (if applicable).
- (c) was described and claimed in PCT International Application No. filed on
 and was amended on , (if applicable).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)
 (Prior Foreign/Pct Application(S) Filed Within 12 Months
 (6 Months For Design) Prior To This Application)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate(s) or 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate(s) or any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed.

Application Number	Country or PCT	Date Of Filing (Day, Month, Year)	Priority not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/125,809	March 23, 1999
60/142,980	July 12, 1999

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120
(All Foreign Application(s), *If Any*, Filed More Than 12 Months
(6 Months For Design) Prior To This U.S. Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or 365(c) PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.

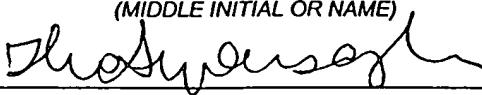
U.S Parent Application No.	PCT Parent Application No.	Date Of Filing (Day, Month, Year)	Parent Patent No. (<i>If applicable</i>)

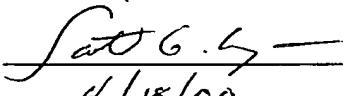
DECLARATION

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

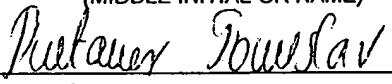
SIGNATURE(S)

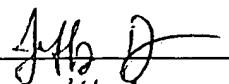
Inventor(s)

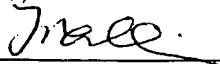
Krzysztof (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Matyjaszewski FAMILY (OR LAST NAME)
		
Inventor's signature		
Date	4/18/00	Country of Citizenship
Residence	Pittsburgh, PA 15238	
Post Office Address	9 Queens Court, Pittsburgh, PA 15238	

Scott (GIVEN NAME)	G. (MIDDLE INITIAL OR NAME)	Gaynor FAMILY (OR LAST NAME)
		
Inventor's signature		
Date	4/18/00	Country of Citizenship
Residence	Pittsburgh, PA 15221	
Post Office Address:	228 Woodside Road, Pittsburgh, PA 15221	

Hyun-jong (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Paik FAMILY (OR LAST NAME)
		
Inventor's signature		
Date	4/18/2000	Country of Citizenship
Residence	Pittsburgh, PA 15213	
Post Office Address:	400 N. Neville Street, #203, Pittsburgh, PA 15213	

Tomislav (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Pintauer FAMILY (OR LAST NAME)
		
Inventor's signature		
Date	04/18/2000	Country of Citizenship
Residence	Pittsburgh, PA 15217	
Post Office Address	5644 Beacon Street, Apt. 2R, Pittsburgh, PA 15217	

Jeff (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Pyun FAMILY (OR LAST NAME)
		
Inventor's signature		
Date	4/18/00	Country of Citizenship
Residence	Pittsburgh, PA 15213	
Post Office Address:	4750 Centre Avenue, Apt. 3, Pittsburgh, PA 15213	

Jian (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Qiu FAMILY (OR LAST NAME)
Inventor's signature		
Date	4/18/80	Country of Citizenship Peoples Republic of China
Residence	Pittsburgh, PA 15213	
Post Office Address:	4910 Centre Avenue, Apt. E-12, Pittsburgh, PA 15213	

Mircea (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Teodorescu FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Romania
Residence	Bucharest 78126 Romania	
Post Office Address:	1 Gh. Polizu Street, Bucharest 78126 Romania	

Jianhui (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Xia FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Pittsburgh, PA 15213	
Post Office Address:	358 Oakland Avenue, Apt. 3, Pittsburgh, PA 15213	

Xuan (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Zhang FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Woburn, MA 01801	
Post Office Address:	2 Mikaila Way, Woburn, MA 01801	

Jian (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Qiu FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Pittsburgh, PA 15213	
Post Office Address:	4910 Centre Avenue, Apt. E-12, Pittsburgh, PA 15213	

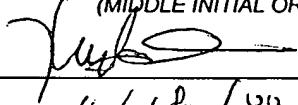
Mircea (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Teodorescu FAMILY (OR LAST NAME)
Inventor's signature	<i>Mircea Teodorescu</i>	
Date	4/26/2000	Country of Citizenship Romania
Residence	Bucharest 78126 Romania	
Post Office Address:	1 Gh. Polizu Street, Bucharest 78126 Romania	

Jianhui (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Xia FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Pittsburgh, PA 15213	
Post Office Address:	358 Oakland Avenue, Apt. 3, Pittsburgh, PA 15213	

Xuan (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Zhang FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Woburn, MA 01801	
Post Office Address:	2 Mikaila Way, Woburn, MA 01801	

Jian (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Qiu FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Pittsburgh, PA 15213	
Post Office Address:	4910 Centre Avenue, Apt. E-12, Pittsburgh, PA 15213	

Mircea (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Teodorescu FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Romania
Residence	Bucharest 78126 Romania	
Post Office Address:	1 Gh. Polizu Street, Bucharest 78126 Romania	

Jianhui (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Xia FAMILY (OR LAST NAME)
Inventor's signature		
Date	4/18/00	Country of Citizenship Peoples Republic of China
Residence	Pittsburgh, PA 15213	
Post Office Address:	358 Oakland Avenue, Apt. 3, Pittsburgh, PA 15213	

Xuan (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Zhang FAMILY (OR LAST NAME)
Inventor's signature		
Date		Country of Citizenship Peoples Republic of China
Residence	Woburn, MA 01801	
Post Office Address:	2 Mikaila Way, Woburn, MA 01801	

Jian (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Qiu FAMILY (OR LAST NAME)
Inventor's signature		
Date	Country of Citizenship Peoples Republic of China	
Residence	Pittsburgh, PA 15213	
Post Office Address:	4910 Centre Avenue, Apt. E-12, Pittsburgh, PA 15213	

Mircea (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Teodorescu FAMILY (OR LAST NAME)
Inventor's signature		
Date	Country of Citizenship Romania	
Residence	Bucharest 78126 Romania	
Post Office Address:	1 Gh. Polizu Street, Bucharest 78126 Romania	

Jianhui (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Xia FAMILY (OR LAST NAME)
Inventor's signature		
Date	Country of Citizenship Peoples Republic of China	
Residence	Pittsburgh, PA 15213	
Post Office Address:	358 Oakland Avenue, Apt. 3, Pittsburgh, PA 15213	

Xuan (GIVEN NAME)	(MIDDLE INITIAL OR NAME)	Zhang FAMILY (OR LAST NAME)
Inventor's signature		
Date	4/19/00	Country of Citizenship Peoples Republic of China
Residence	Woburn, MA 01801	
Post Office Address:	2 Mikaila Way, Woburn, MA 01801	

Peter J. Miller

(GIVEN NAME) (MIDDLE INITIAL OR NAME) (FAMILY (OR LAST NAME))

Inventor's signature

Date 4/28/80 Country of Citizenship USA

Residence Imperial, PA 15126

Post Office Address: 140 Forest Glen Drive, Imperial, PA 15126

- Signature by administrator(trix), or legal representative for deceased or incapacitated inventor. *Number of pages added* _____.
- Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* _____.
- Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47) *Number of pages added* _____.
- Authorization of attorney(s) to accept and follow instructions from representative.

This declaration ends with this page.

Attorney's Docket No. 00093

PATENT

For: U.S. and/or Foreign Rights
For: U.S. Application or
 U.S. Provisional Application
For: U.S. Patent
For: PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Krzysztof Matyjaszewski
(type or print name of inventors)

9 Queens Court
Pittsburgh, PA 15238 USA
Address Nationality

Scott G. Gaynor

228 Woodside Road
Pittsburgh, PA 15221 USA

Hyun-jong Paik

400 N. Neville St. #203
Pittsburgh, PA 15213 S. Korea

Tomislav Pintauer

5644 Beacon Street, Apt. 2R
Pittsburgh, PA 15217 Croatia

Jeff Pyun

4750 Centre Avenue, Apt. #3
Pittsburgh, PA 15213 USA

Jian Qiu

4910 Centre Avenue, Apt. E-12
Pittsburgh, PA 15213 Peoples Rep. Of China

Mircea Teodorescu

1 Gh. Polizu Street
Bucharest 78126 Romania Romania

Jianhui Xia

358 Oakland Avenue, Apt. 3
Pittsburgh, PA 15213 Peoples Rep. Of China

Xuan Zhang

2 Mikaila Way
Woburn, MA 01801 Peoples Rep. Of China

Peter J. Miller

140 Forest Glen Drive
Imperial, PA 15126 USA

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University
(type or print name of ASSIGNEE)

5000 Forbes Avenue
Address

(a Non-profit Pennsylvania organization)
Nationality

Pittsburgh, PA 15213

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest

an undivided _____ percent (_____) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled: **CATALYTIC PROCESSES FOR THE CONTROLLED POLYMERIZATION OF FREE RADICALLY (Co)POLYMERIZABLE MONOMERS AND FUNCTIONAL POLYMERIC SYSTEMS PREPARED THEREBY**

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) U.S. patent application executed on even date herewith

(b) U.S. patent application executed on _____

(c) U.S. provisional application naming the above inventor(s) for the above-entitled invention

Express mail label no.: _____

Mailed: _____

To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) U.S. application no.: 09/534,827 filed on March 23, 2000

(e) International application no. PCT / _____ /
filed on _____

(f) U.S. patent no. _____ issued _____

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

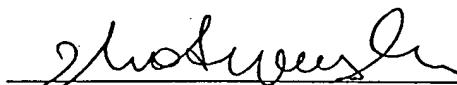
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this _____

Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

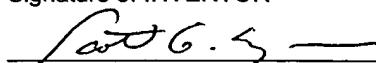
Krzysztof Matyjaszewski
(type name of Inventor)

 Signature of INVENTOR

4/18/2000

Date

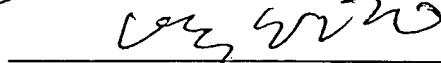
Scott G. Gaynor

 —

4/18/2000

Date

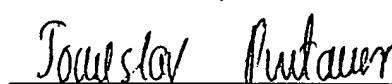
Hyun-jong Paik

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4/18/2000

Date

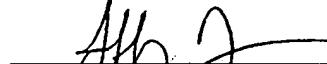
Tomislav Pintauer

 —

4/18/2000

Date

Jeff Pyun

 —

4/18/2000

Date

Jian Qiu

 —

4/18/2000

Date

Mircea Teodorescu

 —

4/18/2000

Date

Jianhui Xia

 —

4/18/2000

Date

Xuan Zhang

 —

4/18/2000

Date

Peter J. Miller

 —

4/18/2000

Date

Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this April 19, 2000
Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Krysztof Matyjaszewski
(type name of Inventor)

Signature of INVENTOR

Scott G. Gaynor

Hyun-jong Paik

Tomislav Pintauer

Jeff Pyun

Jian Qiu

Mircea Teodorescu

Jianhui Xia

Xuan Zhang

Jianhui Xia

Peter J. Miller

Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this April 26, 2000
Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Krzysztof Matyjaszewski
(type name of Inventor)

Signature of INVENTOR

Scott G. Gaynor

Hyun-jong Paik

Tomislav Pintauer

Jeff Pyun

Jian Qiu

Mircea Teodorescu

M Teodorescu

Jianhui Xia

Xuan Zhang

Peter J. Miller

Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.